

Figures

Figure 1a. Intensity Instrumentation for Stern-Volmer Characterizations – optical and vacuum measurement system

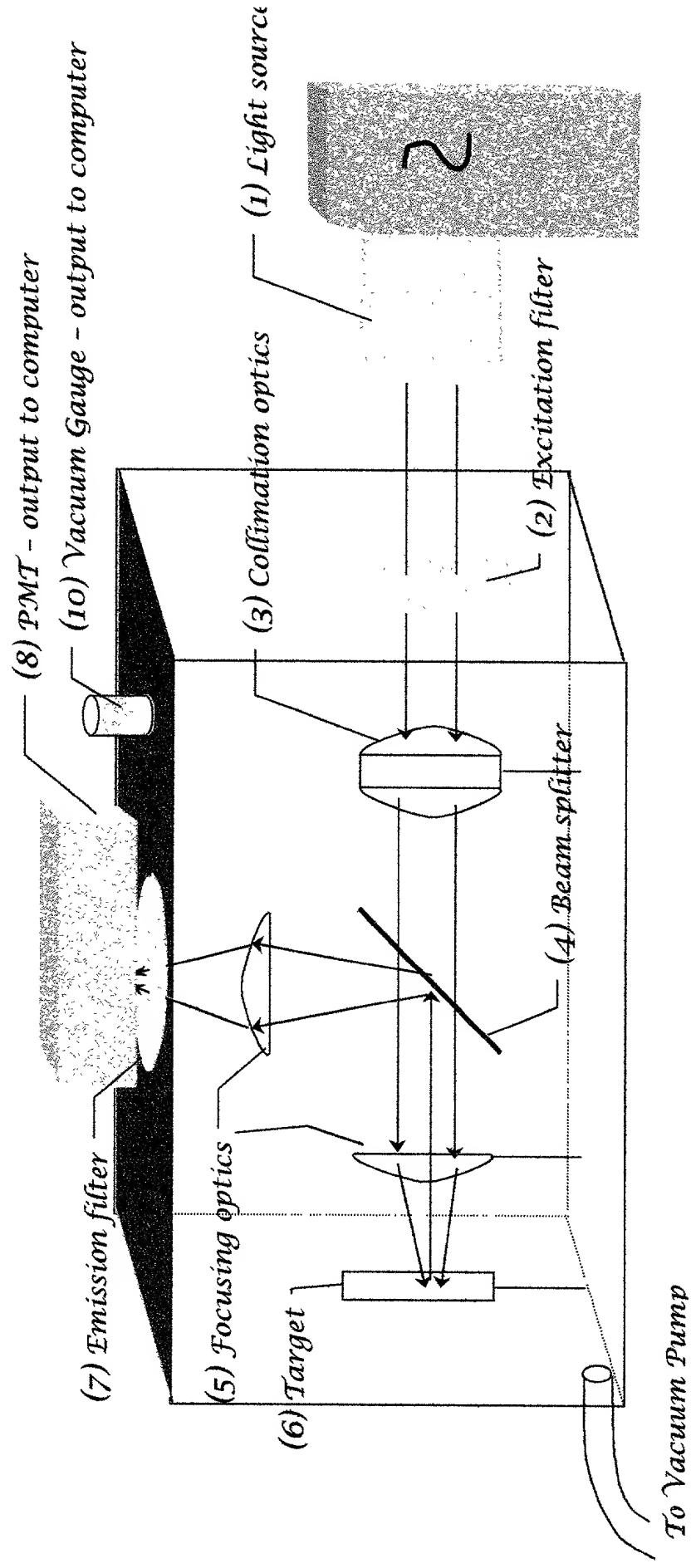


Figure 1b. Comparison of Stern-Volmer Response Characteristics for PtTPP and PdTPP in ethylene-octene copolymer

Comparison of PdTPP and PtTPP in LDPE Film

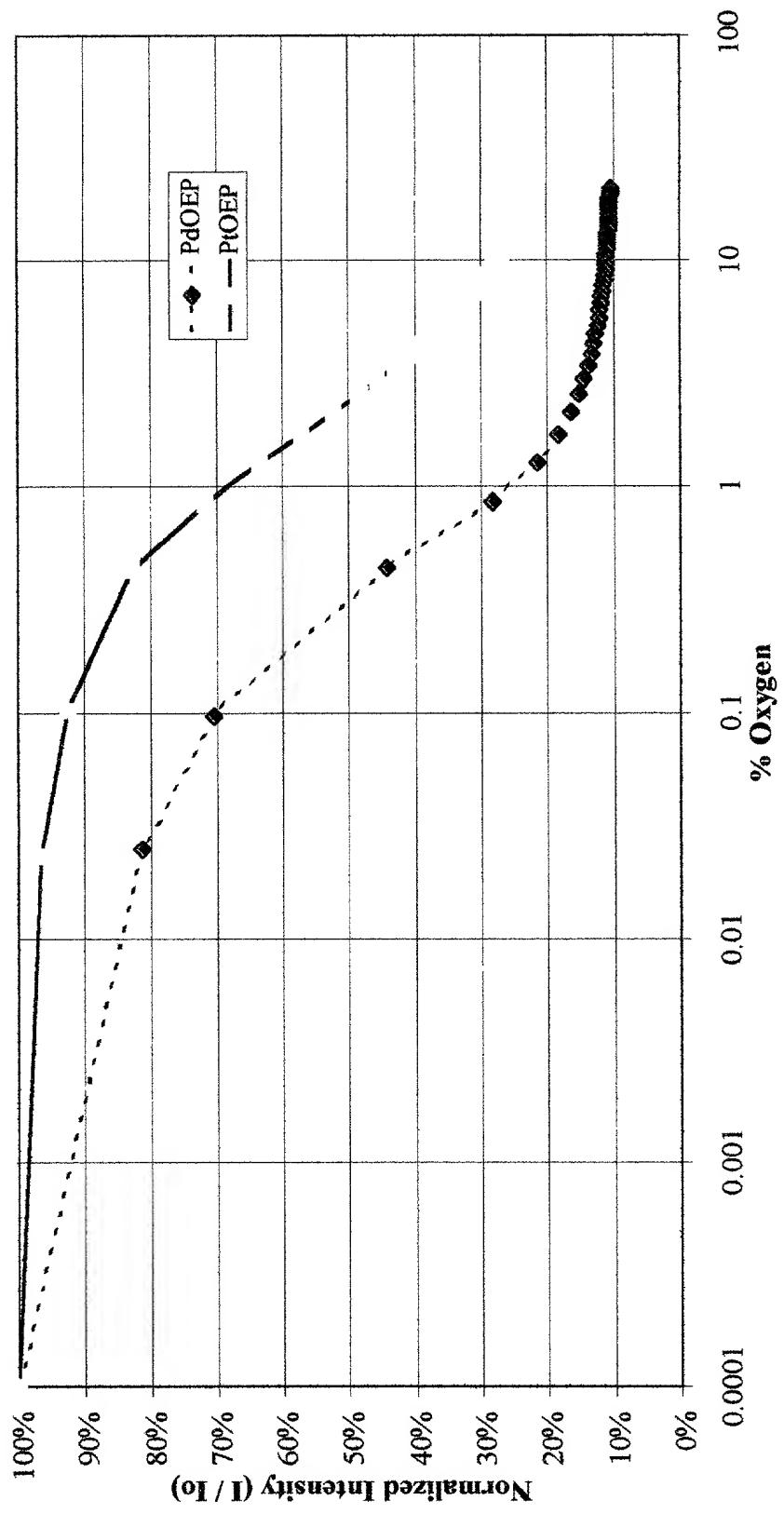


Figure 2a. Optical instrumentation used for lifetime measurements

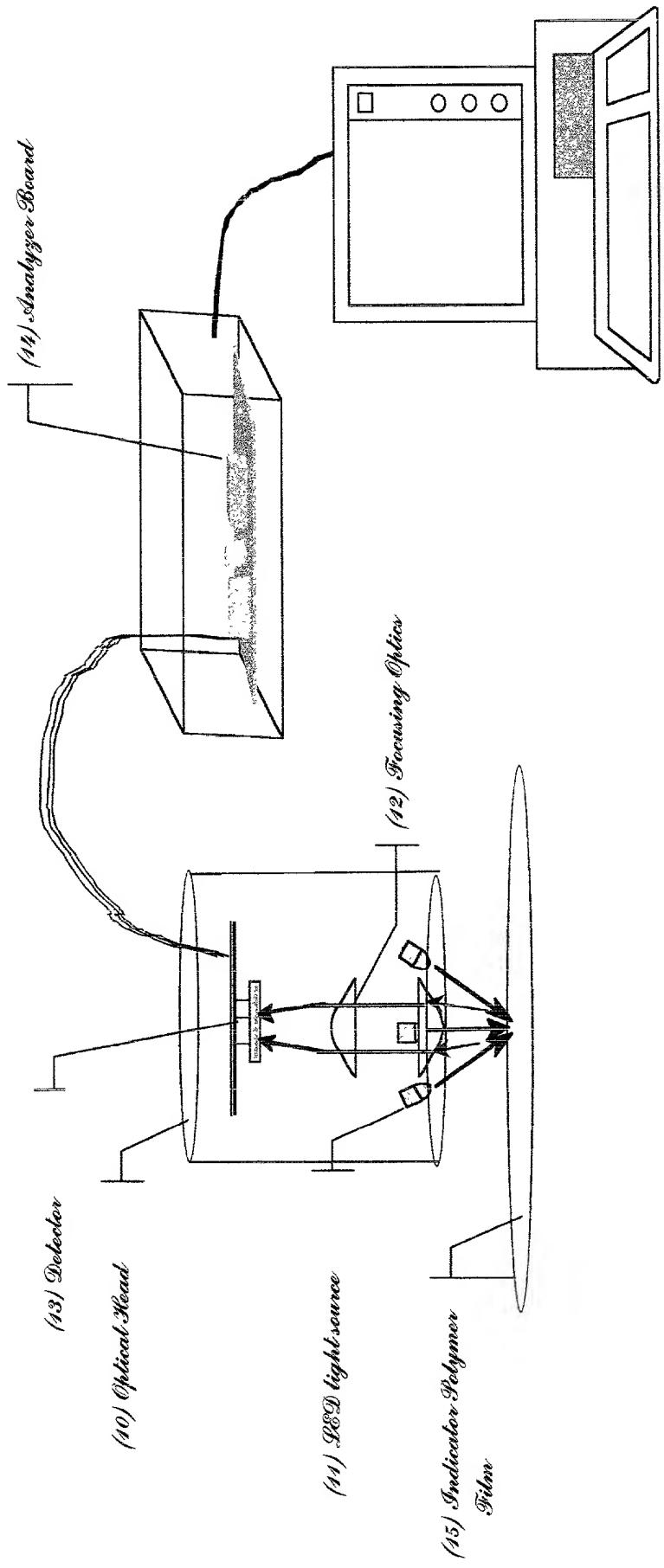


Figure 2b. Ratio Response of PdTPP Dye in LDPE as a Function of Oxygen Concentration.

Ratio Response of PdTPP Indicator-Polymer Using Lifetime Instrumentation

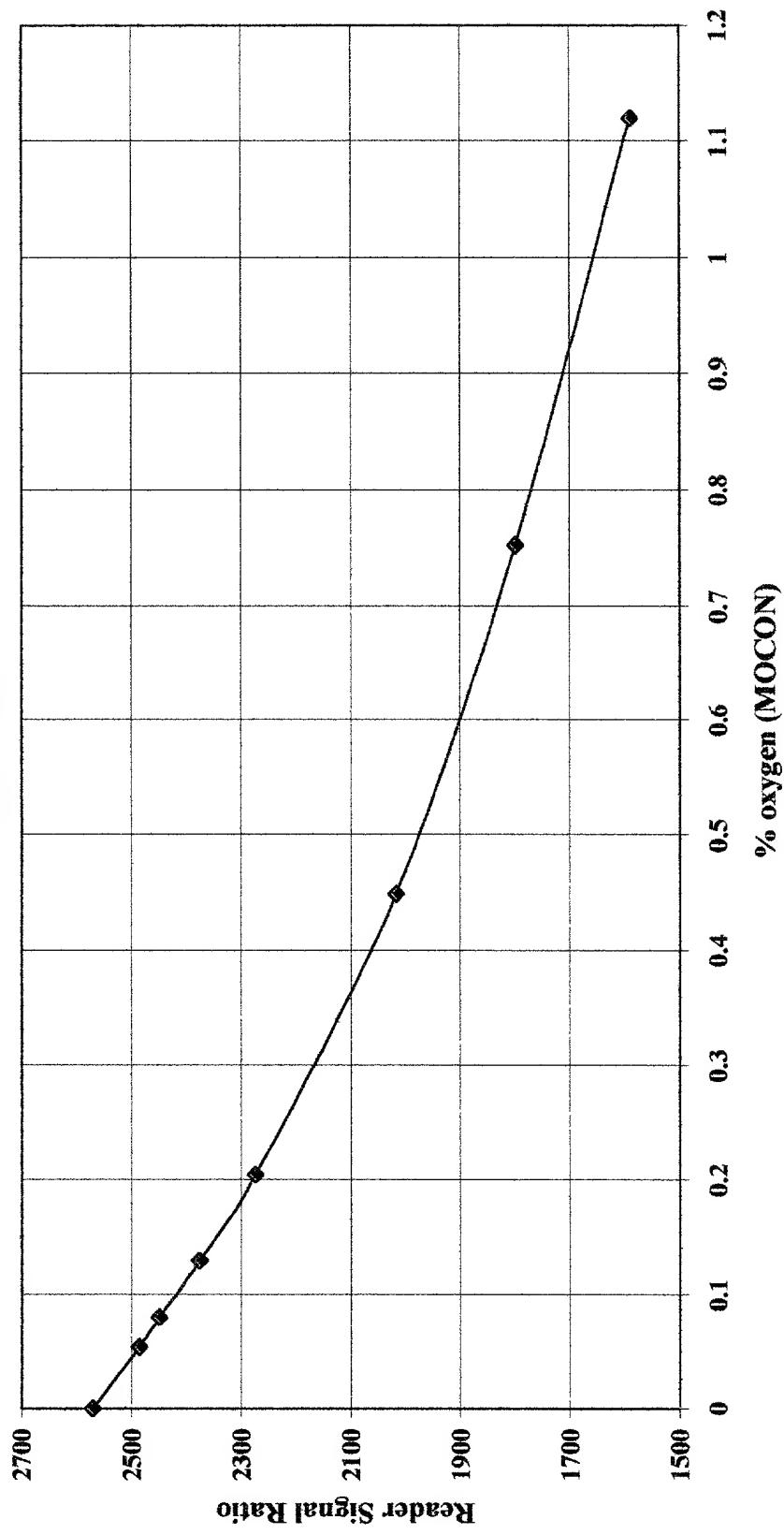


Figure 3. Emission spectra of PtOEP indicator in a thermal melt preparation of a commercial LDPE thermoplastic polymer.
Excitation centered at 400nm.

Emission Spectrum
PtOEP-LDPE

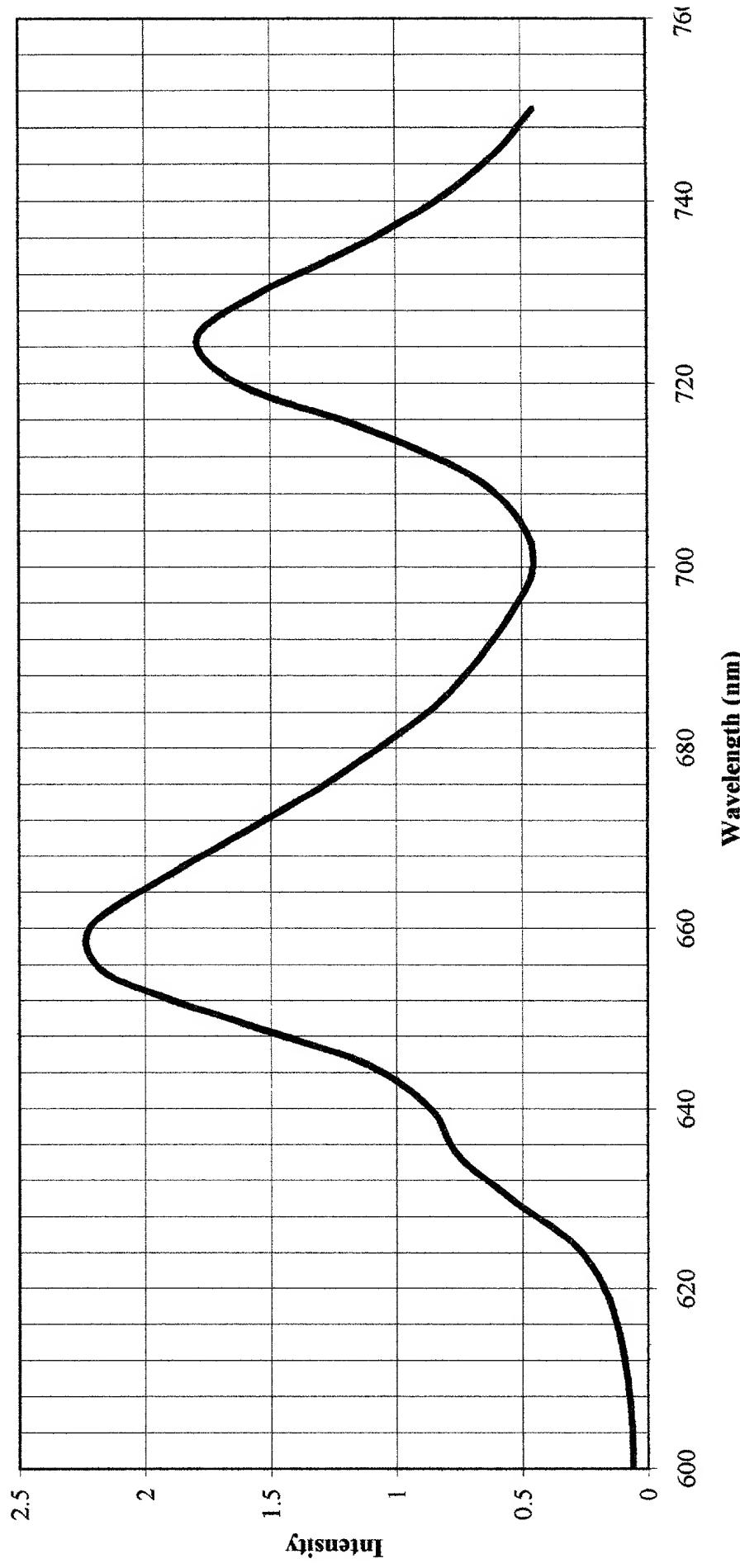


Figure 4. Ratiometric Response Curves for Press-Plaques from Different Carrier Polymers

Ratio Response of Pd/TPP indicator in Different Commercial Carrier Polymers

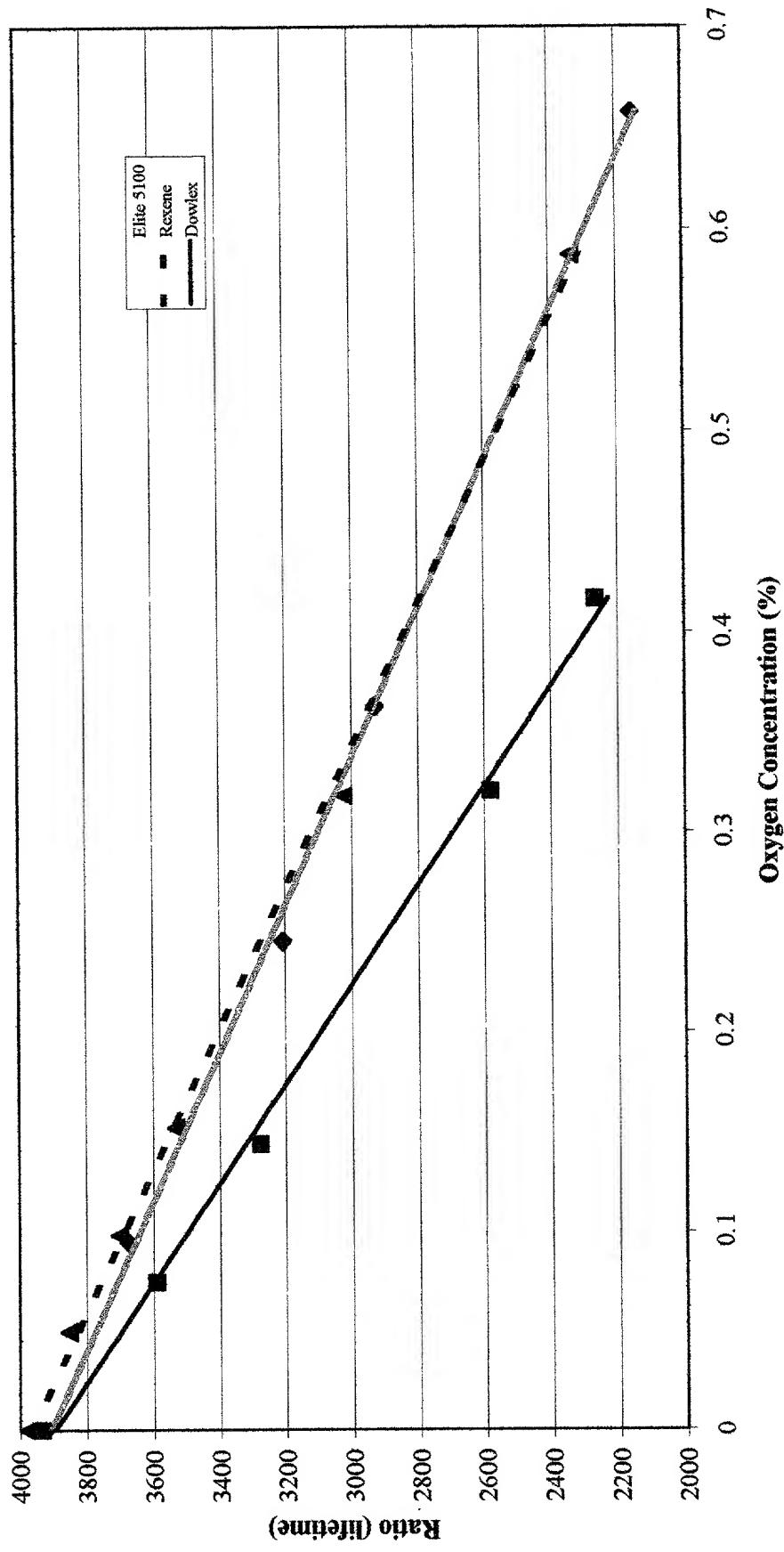


Figure 5. Ratio response of a PtOEP film prepared by extrusion in twin-screw extrusion machine

PtOEP Oxygen Indicator Polymer Film

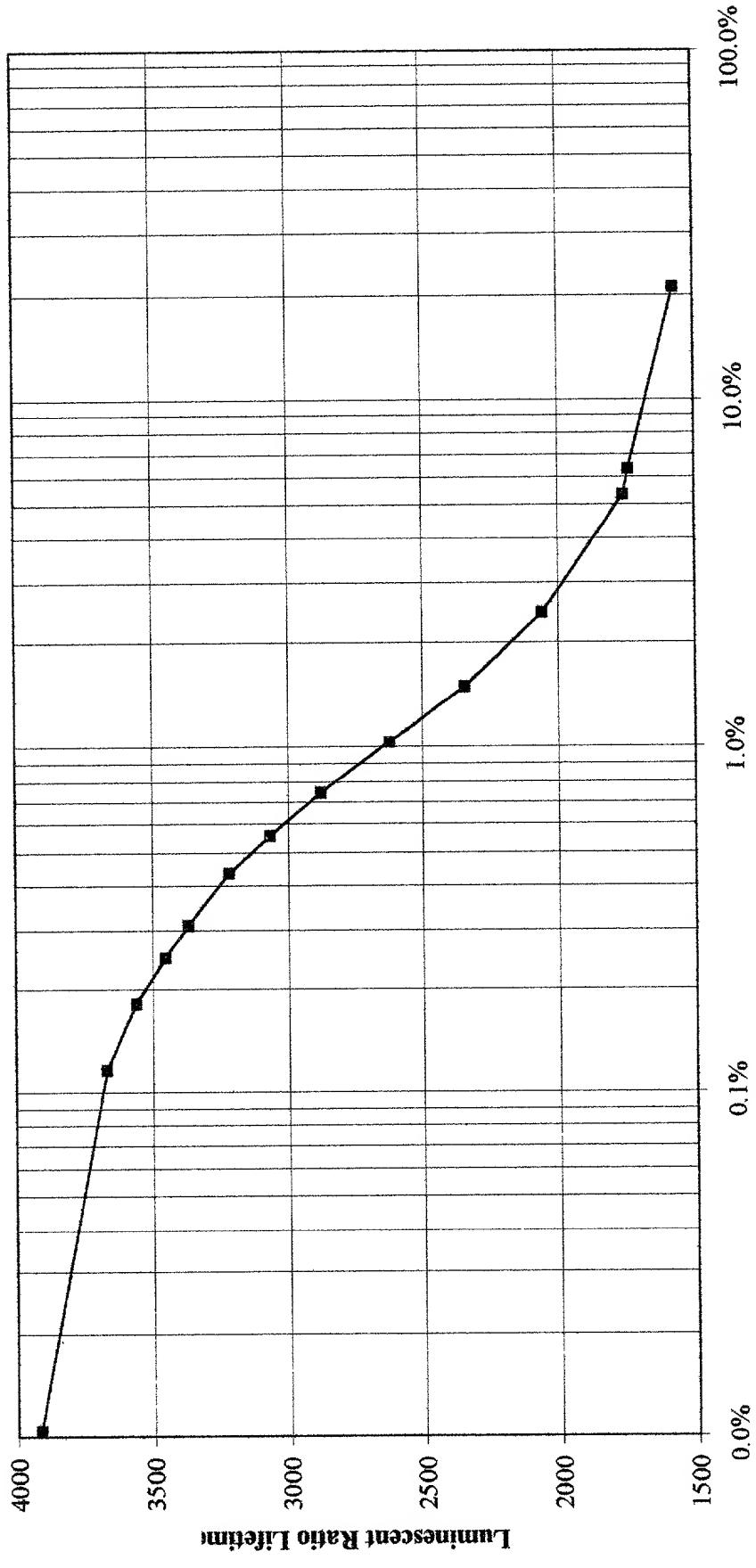


Figure 6. Various Laminate Forms of the Oxygen Sensor in Flexible Package Wrap Material

Indicator-Polymer Laminate Test Series
PtOEP/Dowlex Indicator Film

